Author Index

Alderete, B.E., see Chanh, T.C., 257
Armstrong, R.M., see Ferris, N.P., 43

Baillou, A., Barin, F., Léonard, G., Denis, F., Petat, E., Canas Ferreira, W.F., M'Boup, S. and Goudeau, A., Competitive enzyme-immunoassays using native viral antigens to discriminate between HIV-1 and HIV-2 infections, 81
Balla, A., see Njayou, M., 91
Balzarini, J., see Nakashima, H., 197
Banatvala, J.E., see Muir, P., 209
Bannert, H., see Mahnke, C., 13
Barin, F., see Baillou, A., 81
Barrera Oro, J.G., McKee, Jr., K.T., Spisso, J., Mahlandt, B.G. and Maiztegui, J.I., A refined complement-enhanced neutralization test for detecting antibodies to Junin virus, 71
Barrett, A.D.T., see Gibson, C.A., 167
Bastide, J.-M., see Mourton, C., 325
Bauer, A., Monreal, G. and Bauer, H.-J., Growth of avian adeno-associated virus in chicken cells transfected with fowl adenovirus serotype 1 DNA (Short Communication), 335
Bauer, H.-J., see Bauer, A., 335
Bearzotti, M., see Mourton, C., 325
Becker, Y., see Sprecher, E., 189
Boeyé, A., see Rombaut, B., 303
Bouloy,-M., see Gibson, C.A., 167
Bradley, D.W., see Humphrey, C.D., 177
Bremer, C.W., see du Plessis, D.H., 279
Brown, C.S., Van Bussel, M.J.A.W.M., Wassenaar, A.L.M., Van Elsacker-Niele, A.-M.W., Weiland, H.T. and Salimans, M.M.M., An immunofluorescence assay for the detection of parvovirus B19 IgG and IgM antibodies based on recombinant viral antigen, 53
Brunstedt, J., see Joersbo, M., 63

Canas Ferreira, W.F., see Baillou, A., 81
Chanh, T.C. and Alderete, B.E., A rapid method for quantitating lymphocyte receptor capping: capping defect in AIDS patients, 257
Chen, J., see Chen, M., 127
Chen, M., Hsu, T., Chen, J. and Yang, C., Molecular characterization of a cDNA clone encoding the Epstein-Barr virus (EBV) DNase, 127
Chernesky, M.A., see Wu, B., 157
Cook Jr., E.H., see Humphrey, C.D., 177
Cook, J.K.A., see da Silva Martins, N.R., 117

Dahl, H., Linde, A., Sundqvist, V.-A. and Wahren, B., An enzyme-linked immunosorbent assay for IgG antibodies to human herpes virus 6, 313
da Silva Martins, N.R., Mockett, A.P.A. and Cook, J.K.A., A method for the rapid purification of serum IgM for the diagnosis of recent viral infections of chickens, 117
David, D., see Sprecher, E., 189
De Clercq, E., see Nakashima, H., 197
de Kinkelin, P., see Mourton, C., 325
Denis, F., see Baillou, A., 81
Desmyter, J., see Nakashima, H., 197
Duggan, M.A., Inoue, M., McGregor, S.E. and Nation, J.G., A comparison of cervical scrapes for HPV typing by dot-blot hybridization obtained by wood and plastic spatulas, 267
Dunham, A., see Garrett, A., 241
Dunster, L.M., see Gibson, C.A., 167
du Plessis, D.H., van Wyngaardt, W. and Bremer, C.W., An indirect sandwich ELISA utilising F(ab')2 fragments for the detection of African horsesickness virus, 279

Ewalt, L.C., see Sugamata, M., 1

Ferris, N.P., Kitching, R.P., Oxtoby, J.M., Philpot, R.M. and Rendle, R., Use of inactivated foot-and-mouth disease virus antigen in liquid-phase blocking ELISA, 33
Ferris, N.P., Philpot, R.M., Oxtoby, J.M. and Armstrong, R.M., Freeze-drying foot-and-mouth disease virus antigens. I. Infectivity studies, 43
Flügel, R.M., see Mahnke, C., 13
Foriers, A., see Rombaut, B., 303

Garrett, A. and Dunham, A., Variability in radioimmunoprecipitation assays of HIV (Short Communication), 241
Gaudin, O.G., see Pozzetto, B., 143
Gibson, C.A., Dunster, L.M., Bouloy, M., Mi-

nor, P.D., Sanders, P.G. and Barrett, A.D.T., Primer extension dideoxy chain termination nucleotide sequencing of partially purified RNA virus genomes: a technique for investigating low titre viruses with extensive genome secondary structure, 167
Goudeau, A., see Baillou, A., 81

Hafid, J., see Pozzetto, B., 143
Honma, H., see Ushijima, H., 23
Hsu, T., see Chen, M., 127
Humphrey, C.D., Cook Jr., E.H. and Bradley, D.W., Identification of enterically transmitted hepatitis virus particles by solid phase immune electron microscopy, 177

Inoue, M., see Duggan, M.A., 267

Joersbo, M. and Brunstedt, J., Inoculation of sugar beet protoplasts with beet necrotic yellow vein virus particles by mild sonication, 63
Jones, I.M., see Morikawa, Y., 105

Kaneko, S. and Miller, R.H., Characterization of primers for optimal amplification of hepatitis B virus DNA in the polymerase chain reaction assay (Short Communication), 225
Khuntirat, B. and Lucher, L.A., A microscale analytical batch chromatographic method for detecting soluble viral DNA-binding proteins in crude extracts, 97
Kitamura, T., see Ushijima, H., 23
Kitching, R.P., see Ferris, N.P., 33

Linde, A., see Dahl, H., 313
Lodmell, D.L., see Sugamata, M., 1
Lucher, L.A., see Khuntirat, B., 97
Lucht, F.R., see Pozzetto, B., 143
Léonard, G., see Baillou, A., 81
Löchelt, M., see Mahnke, C., 13

M'Boup, S., see Baillou, A., 81
Mahlandt, B.G., see Barrera Oro, J.G., 71
Mahnke, C., Löchelt, M., Bannert, H. and Flügel, R.M., Specific enzyme-linked immunosorbent assay for the detection of antibodies to the human spumavirus, 13
Mahony, J.B., see Wu, B., 157
Maiztegui, J.I., see Barrera Oro, J.G., 71
McGregor, S.E., see Duggan, M.A., 267
McKee, Jr., K.T., see Barrera Oro, J.G., 71
Miller, R.H., see Kaneko, S., 225
Minor, P.D., see Gibson, C.A., 167
Mockett, A.P.A., see da Silva Martins, N.R., 117
Monken, C.E., see Velpandi, A., 291
Monreal, G., see Bauer, A., 335
Moore, J.P., see Morikawa, Y., 105
Morikawa, Y., Moore, J.P. and Jones, I.M., HIV-1 envelope protein gp120 expression by secretion in *E. coli*: assessment of CD4 binding and use in epitope mapping (Short Communication), 105
Mourton, C., Bearzotti, M., Piechaczyk, M., Paolucci, F., Pau, B., Bastide, J.-M. and de Kinkelin, P., Antigen-capture ELISA for viral haemorrhagic septicaemia virus serotype I, 325
Muir, P. and Banatvala, J.E., Reactivity of enterovirus-specific IgM with infective and defective coxsackie B virions in patients with monotypic and multitypic IgM responses, 209

Nakashima, H., Balzarini, J., Pauwels, R., Schols, D., Desmyter, J. and De Clercq, E., Anti-HIV-1 activity of antiviral compounds, as quantitated by a focal immunoassay in CD4+ HeLa cells and a plaque assay in MT-4 cells, 197
Nation, J.G., see Duggan, M.A., 267
Njayou, M. and Balla, A., Comparative study of peroxidase-labelled IgG and anti-IgG for the detection of measles virus antigens, 91

Oxtoby, J.M., see Ferris, N.P., 33
Oxtoby, J.M., see Ferris, N.P., 43

Paolucci, F., see Mourton, C., 325
Pau, B., see Mourton, C., 325
Pauwels, R., see Nakashima, H., 197
Peleg, B., see Sprecher, E., 189
Perry, L.L., see Sugamata, M., 1
Petat, E., see Baillou, A., 81
Philpot, R.M., see Ferris, N.P., 33
Philpot, R.M., see Ferris, N.P., 43
Piechaczyk, M., see Mourton, C., 325
Pozzetto, B., Gaudin, O.G., Lucht, F.R., Hafid, J. and Ros, A., Detection of immunoglobulin G, M, and A antibodies to enterovirus structural proteins by immunoblot technique in echovirus type 4-infected patients, 143

Rendle, R., see Ferris, N.P., 33
Rombaut, B., Foriers, A. and Boeyé, A., Pu-

rification of poliovirus 14 S subunits by sucrose gradient ultracentrifugation and high-performance size-exclusion chromatography, 303
Ros, A., see Pozzetto, B., 143

Salimans, M.M.M., see Brown, C.S., 53
Sanders, P.G., see Gibson, C.A., 167
Schols, D., see Nakashima, H., 197
Spisso, J., see Barrera Oro, J.G., 71
Sprecher, E., David, D., Yadin, H., Peleg, B. and Becker, Y., Mouse footpad Langerhans cells as an indicator for safety of foot and mouth disease virus vaccines, 189
Srinivasan, A., see Velpandi, A., 291
Sugamata, M., Ewalt, L.C., Perry, L.L. and Lodmell, D.L., Detection of anti-rabies virus cytotoxic T lymphocytes in mice of four distinct H-2 haplotypes using target cells persistently infected with ERA rabies virus, 1
Sundqvist, V.-A., see Dahl, H., 313

Takahashi, I., see Ushijima, H., 23
Tijssen, P., see Verbeek, A., 243
Tsuchie, H., see Ushijima, H., 23

Ushijima, H., Honma, H., Tsuchie, H., Kitamura, T. and Takahashi, I., Removal of HIV antigens and HIV-infected cells in vitro using immunomagnetic beads, 23

Van Bussel, M.J.A.W.M., see Brown, C.S., 53
Van Elsacker-Niele, A.-M.W., see Brown, C.S., 53
van Wyngaardt, W., see du Plessis, D.H., 279
Velpandi, A., Monken, C.E. and Srinivasan, A., Development of RD-tat cell lines: use in HIV recombination studies, 291
Verbeek, A. and Tijssen, P., Polymerase chain reaction for probe synthesis and for direct amplification in detection of bovine coronavirus, 243

Wahren, B., see Dahl, H., 313
Wassenaar, A.L.M., see Brown, C.S., 53
Weiland, H.T., see Brown, C.S., 53
Williams, M.V., see Winters, T.A., 233
Winters, T.A. and Williams, M.V., Use of the PBS2 uracil-DNA glycosylase inhibitor to differentiate the uracil-DNA glycosylase activities encoded by herpes simplex virus types 1 and 2, 233
Wu, B., Mahony, J.B. and Chernesky, M.A., A new immune complex dot assay for detection of rotavirus antigen in faeces, 157

Yadin, H., see Sprecher, E., 189
Yang, C., see Chen, M., 127

Subject Index

AAAV multiplication, FAV 1 DNA transfection, Placque assay, Indirect immunofluorescence assay, 335
AIDS, Concanavalin A, Flow cytometry, Membrane mobility, Receptor capping, 257
African horsesickness virus, F(ab′)2, ELISA, Diagnosis, 279
Agarose gel electrophoresis, HBV DNA, Oligonucleotide primers, Polymerase chain reaction, DNA amplification, 225
Analytic chromatography, Viral DNA-binding protein, 97
Anti-IgG peroxidase, Measles virus, Immunoperoxidase, Immunoblotting, IgG-peroxidase, 91
Antigen-capture ELISA, Viral hemorrhagic septicaemia virus, Monoclonal antibody, Rainbow trout, 325
Arenavirus, Junin virus, Argentine hemorrhagic fever, Neutralization, Complement, 71
Argentine hemorrhagic fever, Junin virus, Neutralization, Complement, Arenavirus, 71

B19 diagnosis, Human parvovirus B19, Recombinant viral antigen, Indirect immunofluorescence assay, 53
Beet necrotic yellow vein virus, Virus infection, Protoplast, Sugar beet, Ultrasound, 63
Bovine coronavirus, Polymerase chain reaction, Probe labeling, Detection, 243

CD4+ HeLa cell, HIV, Focal immunoassay, Dideoxynucleoside, Sulfated polysaccharide, HEPT, TIBO, 197
Cervical scrape, Cross-over study, Plastic versus wood spatulas, Dot-blot hybridization, 267
51Chromium release assay, ERA rabies virus, Cytotoxic T cell, H-2 haplotype, Persistently infected target cell, 1
Chicken, Purification of serum IgM, 117
Complement, Junin virus, Argentine hemorrhagic fever, Neutralization, Arenavirus, 71
Concanavalin A, AIDS, Flow cytometry, Membrane mobility, Receptor capping, 257
Cross-over study, Plastic versus wood spatulas, Dot-blot hybridization, Cervical scrape, 267
Cross-reactivity, Enterovirus, Echovirus, Immunoblotting, IgM, IgA, 143
Cytotoxic T cell, ERA rabies virus, 51Chromium release assay, H-2 haplotype, Persistently infected target cell, 1

DNA amplification, HBV DNA, Oligonucleotide primers, Polymerase chain reaction, Agarose gel electrophoresis, 225
Detection, Bovine coronavirus, Polymerase chain reaction, Probe labeling, 243
Diagnosis of enterovirus infection, Infective and defective virion, Reactivity with enterovirus-specific IgM, Reactivity with monoclonal antibody, 209
Diagnosis, F(ab′)2, ELISA, African horsesickness virus, 279
Dideoxynucleoside, HIV, Focal immunoassay, CD4+ HeLa cell, Sulfated polysaccharide, HEPT, TIBO, 197
cDNA clone, Epstein-Barr virus, 127
Dot-blot hybridization, Cross-over study, Plastic versus wood spatulas, Cervical scrape, 267

EIA, Rotavirus, Immunodot assay, Immunogold staining, 157
ELISA screening test, env, Foamy virus, Recombinant antigen, 13
ELISA, F(ab′)2, African horsesickness virus, Diagnosis, 279
ELISA, HHV6 antibodies, IFA, 313
ELISA, HIV, Western blot, 81
ERA rabies virus, Cytotoxic T cell, 51Chromium release assay, H-2 haplotype, Persistently infected target cell, 1
Echovirus, Enterovirus, Immunoblotting, IgM, IgA, Cross-reactivity, 143
Enterovirus, Echovirus, Immunoblotting, IgM, IgA, Cross-reactivity, 143
Envelope protein gp120, Epitope mapping, HIV-1, 105
Epitope mapping, HIV-1, Envelope protein gp120, 105
Epstein-Barr virus, cDNA clone, 127

F(ab′)2, ELISA, African horsesickness virus, Diagnosis, 279
FAV 1 DNA transfection, AAAV multiplication, Placque assay, Indirect immunofluores-

cence assay, 335
Flow cytometry, AIDS, Concanavalin A, Membrane mobility, Receptor capping, 257
Foamy virus, ELISA screening test, env, Recombinant antigen, 13
Focal immunoassay, HIV, CD4+ HeLa cell, Dideoxynucleoside, Sulfated polysaccharide, HEPT, TIBO, 197
Foot-and-mouth disease virus, Freeze-drying, Infectivity, 43
Foot-and-mouth disease, Langerhans cell, Vaccine, 189
Freeze-drying, Foot-and-mouth disease virus, Infectivity, 43

Genetic hetero-geneity, HIV, tat, Transfection, Homologous recombination, Hybrid HIV, 291

H-2 haplotype, ERA rabies virus, Cytotoxic T cell, 51Chromium release assay, Persistently infected target cell, 1
HBV DNA, Oligonucleotide primers, Polymerase chain reaction, Agarose gel electrophoresis, DNA amplification, 225
HEPT, HIV, Focal immunoassay, CD4+ HeLa cell, Dideoxynucleoside, Sulfated polysaccharide, TIBO, 197
HHV6 antibodies, IFA, ELISA, 313
HIV, ELISA, Western blot, 81
HIV, Focal immunoassay, CD4+ HeLa cell, Dideoxynucleoside, Sulfated polysaccharide, HEPT, TIBO, 197
HIV, Immunomagnetic beads, MOLT4/HTLV-IIIB cell, U937/HTLV-IIB cell, 23
HIV, Radioimmunoprecipitation assay, 341
HIV, tat, Transfection, Homologous recombination, Hybrid HIV, Genetic hetero-geneity, 291
HIV-1, Epitope mapping, Envelope protein gp120, 105
Hepatitis, Solid-phase immune electron microscopy, Virus identification, Immune electron microscopy, 177
Herpes simplex virus, Uracil-DNA glycosylase, PBS2 inhibitor, 233
Homologous recombination, HIV, tat, Transfection, Hybrid HIV, Genetic hetero-geneity, 291
Human parvovirus B19, Recombinant viral antigen, Indirect immunofluorescence assay, B19 diagnosis, 53
Hybrid HIV, HIV, tat, Transfection, Homologous recombination, Genetic hetero-geneity, 291

IFA, HHV6 antibodies, ELISA, 313
IgA, Enterovirus, Echovirus, Immunoblotting, IgM, Cross-reactivity, 143
IgG-peroxidase, Measles virus, Immunoperoxidase, Immunoblotting, Anti-IgG peroxidase, 91
IgM, Enterovirus, Echovirus, Immunoblotting, IgA, Cross-reactivity, 143
Immune electron microscopy, Solid-phase immune electron microscopy, Hepatitis, Virus identification, 177
Immunoblotting, Measles virus, Immunoperoxidase, IgG-peroxidase, Anti-IgG peroxidase, 91
Immunoblotting, Enterovirus, Echovirus, IgM, IgA, Cross-reactivity, 143
Immunodot assay, Rotavirus, Immunogold staining, EIA, 157
Immunogold staining, Rotavirus, Immunodot assay, EIA, 157
Immunomagnetic beads, HIV, MOLT4/HTLV-IIIB cell, U937/HTLV-IIB cell, 23
Immunoperoxidase, Measles virus, Immunoblotting, IgG-peroxidase, Anti-IgG peroxidase, 91
Inactivated foot-and-mouth disease virus, Liquid-phase blocking ELISA, 33
Indirect immunofluorescence assay, Human parvovirus B19, Recombinant viral antigen, B19 diagnosis, 53
Indirect immunofluorescence assay, FAV 1 DNA transfection, AAAV multiplication, Placque assay, 335
Infective and defective virion, Diagnosis of enterovirus infection, Reactivity with enterovirus-specific IgM, Reactivity with monoclonal antibody, 209
Infectivity, Freeze-drying, Foot-and-mouth disease virus, 43

Junin virus, Argentine hemorrhagic fever, Neutralization, Complement, Arenavirus, 71

Langerhans cell, Vaccine, Foot-and-mouth disease, 189
Liquid-phase blocking ELISA, Inactivated foot-and-mouth disease virus, 33

MOLT4/HTLV-IIIB cell, HIV, Immunomagnetic beads, U937/HTLV-IIB cell, 23
Measles virus, Immunoperoxidase, Immuno-

blotting, IgG-peroxidase, Anti-IgG peroxidase, 91
Membrane mobility, AIDS, Concanavalin A, Flow cytometry, Receptor capping, 257
Monoclonal antibody, Antigen-capture ELISA, Viral haemorrhagic septicaemia virus, Rainbow trout, 325

Neutralization, Junin virus, Argentine hemorrhagic fever, Complement, Arenavirus, 71
Nucleotide sequencing, RNA virus, Primer extension, 167

Oligonucleotide primers, HBV DNA, Polymerase chain reaction, Agarose gel electrophoresis, DNA amplification, 225

PBS2 inhibitor, Uracil-DNA glycosylase, Herpes simplex virus, 233
Persistently infected target cell, ERA rabies virus, Cytotoxic T cell, 51Chromium release assay, H-2 haplotype, 1
Placque assay, FAV 1 DNA transfection, AAAV multiplication, Indirect immunofluorescence assay, 335
Plastic versus wood spatulas, Cross-over study, Dot-blot hybridization, Cervical scrape, 267
Poliovirus, Ultracentrifugation, 303
Polymerase chain reaction, HBV DNA, Oligonucleotide primers, Agarose gel electrophoresis, DNA amplification, 225
Polymerase chain reaction, Bovine coronavirus, Probe labeling, Detection, 243
Primer extension, RNA virus, Nucleotide sequencing, 167
Probe labeling, Bovine coronavirus, Polymerase chain reaction, Detection, 243
Protoplast, Beet necrotic yellow vein virus, Virus infection, Sugar beet, Ultrasound, 63
Purification of serum IgM, Chicken, 117

RNA virus, Nucleotide sequencing, Primer extension, 167
Radioimmunoprecipitation assay, HIV, 341
Rainbow trout, Antigen-capture ELISA, Viral hemorrhagic septicaemia virus, Monoclonal antibody, 325
Reactivity with enterovirus-specific IgM, Diagnosis of enterovirus infection, Infective and defective virion, Reactivity with monoclonal antibody, 209
Reactivity with monoclonal antibody, Diagnosis of enterovirus infection, Infective and defective virion, Reactivity with enterovirus-specific IgM, 209
Receptor capping, AIDS, Concanavalin A, Flow cytometry, Membrane mobility, 257
Recombinant antigen, Foamy virus, ELISA screening test, env; 13
Recombinant viral antigen, Human parvovirus B19, Indirect immunofluorescence assay, B19 diagnosis, 53
Rotavirus, Immunodot assay, Immunogold staining, EIA, 157

Solid-phase immune electron microscopy, Hepatitis, Virus identification, Immune electron microscopy, 177
Sugar beet, Beet necrotic yellow vein virus, Virus infection, Protoplast, Ultrasound, 63
Sulfated polysaccharide, HIV, Focal immunoassay, CD4+ HeLa cell, Dideoxynucleoside, HEPT, TIBO, 197

tat, HIV, Transfection, Homologous recombination, Hybrid HIV, Genetic hetero-geneity, 291
TIBO, HIV, Focal immunoassay, CD4+ HeLa cell, Dideoxynucleoside, Sulfated polysaccharide, HEPT, 197
Transfection, HIV, tat, Homologous recombination, Hybrid HIV, Genetic hetero-geneity, 291

U937/HTLV-IIB cell, HIV, Immunomagnetic beads, MOLT4/HTLV-IIIB cell, 23
Ultracentrifugation, Poliovirus, 303
Ultrasound, Beet necrotic yellow vein virus, Virus infection, Protoplast, Sugar beet, 63
Uracil-DNA glycosylase, Herpes simplex virus, PBS2 inhibitor, 233

Vaccine, Langerhans cell, Foot-and-mouth disease, 189
Viral DNA-binding protein, Analytic chromatography, 97
Viral hemorrhagic septicaemia virus, Antigen-capture ELISA, Monoclonal anti-body, Rainbow trout, 325
Virus identification, Solid-phase immune electron microscopy, Hepatitis, Immune electron microscopy, 177
Virus infection, Beet necrotic yellow vein virus, Protoplast, Sugar beet, Ultrasound, 63

Western blot, HIV, ELISA, 81